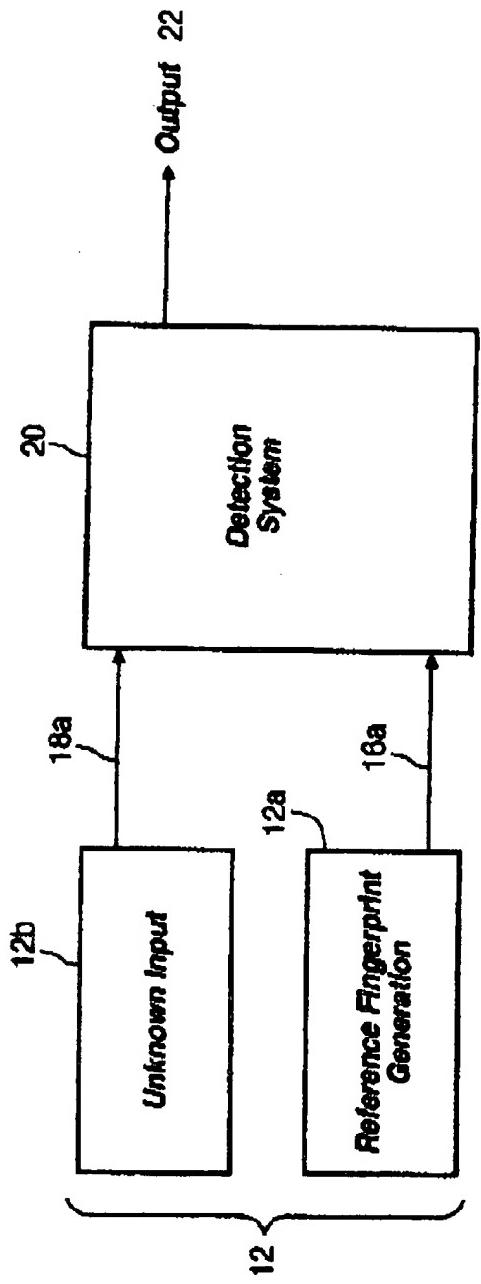


FIG. 1



Photonic Fingerprint Analyzer  
and Coincidence Detector

FIG. 2

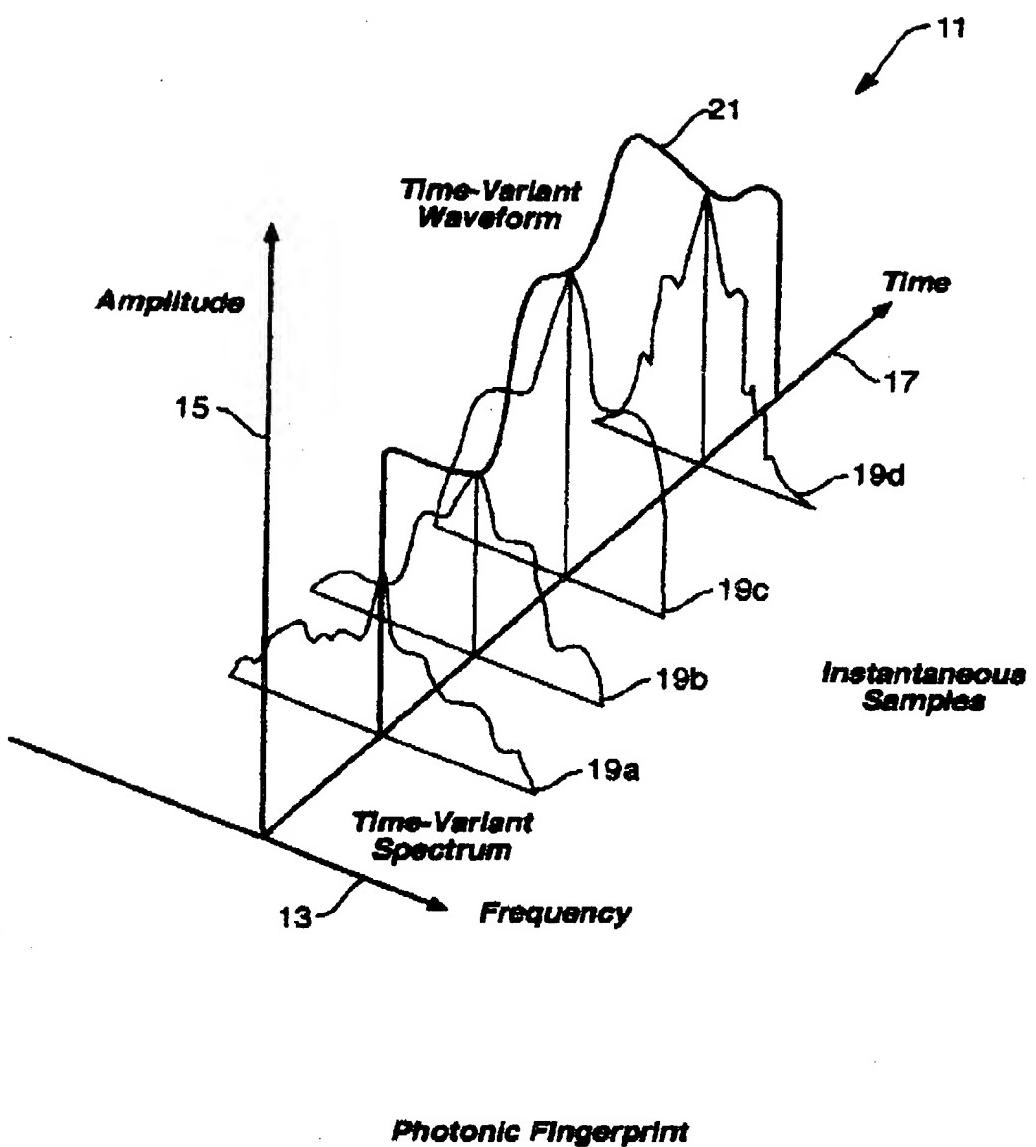


FIG. 3

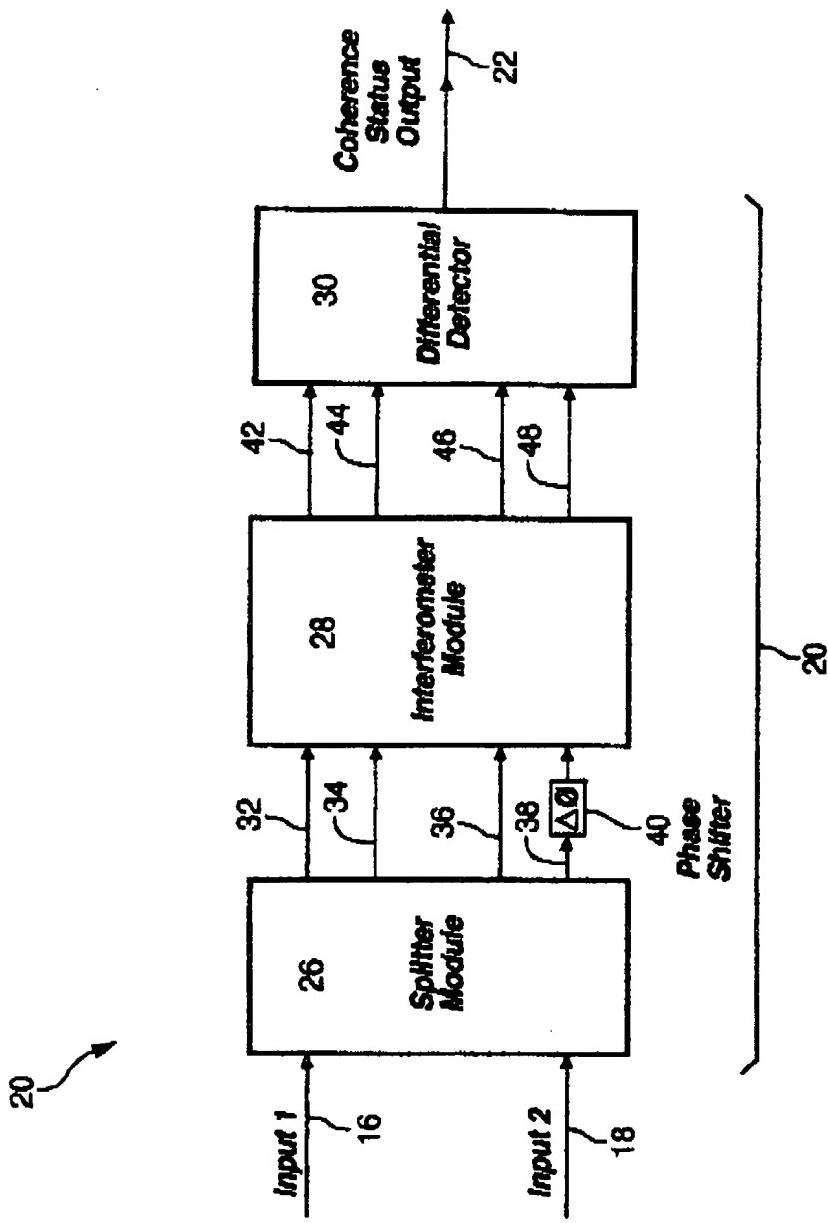


FIG. 4

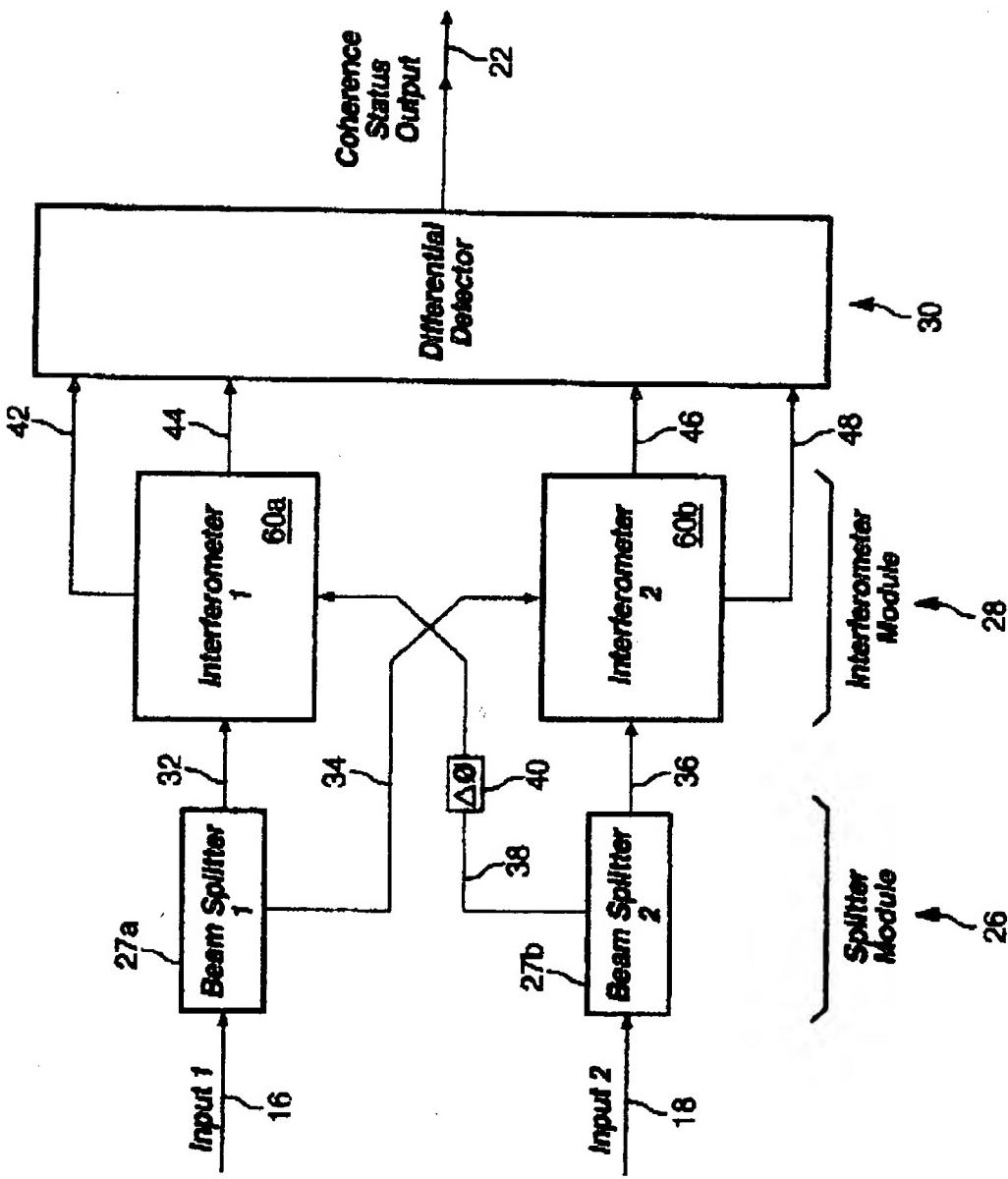


FIG. 5

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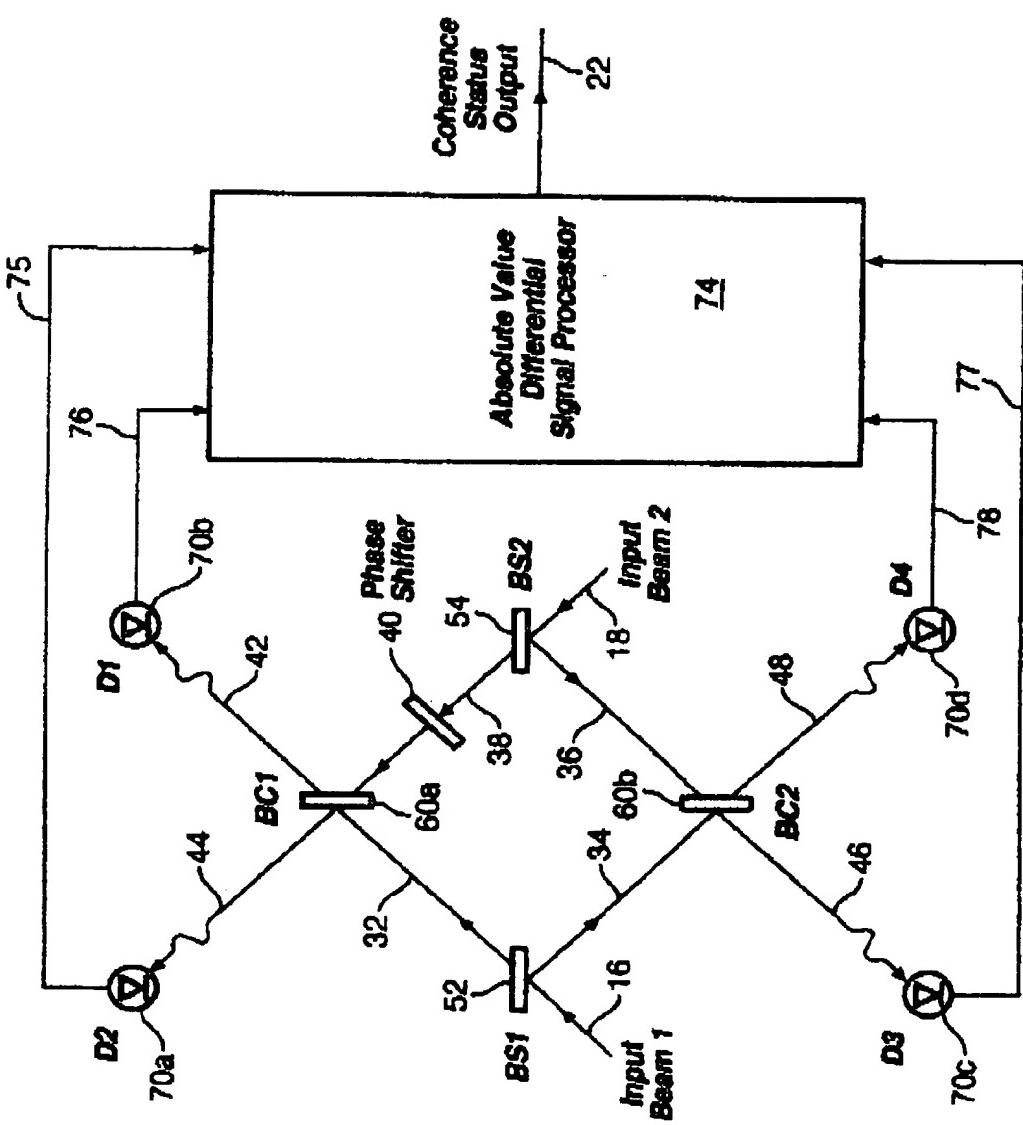


FIG. 6

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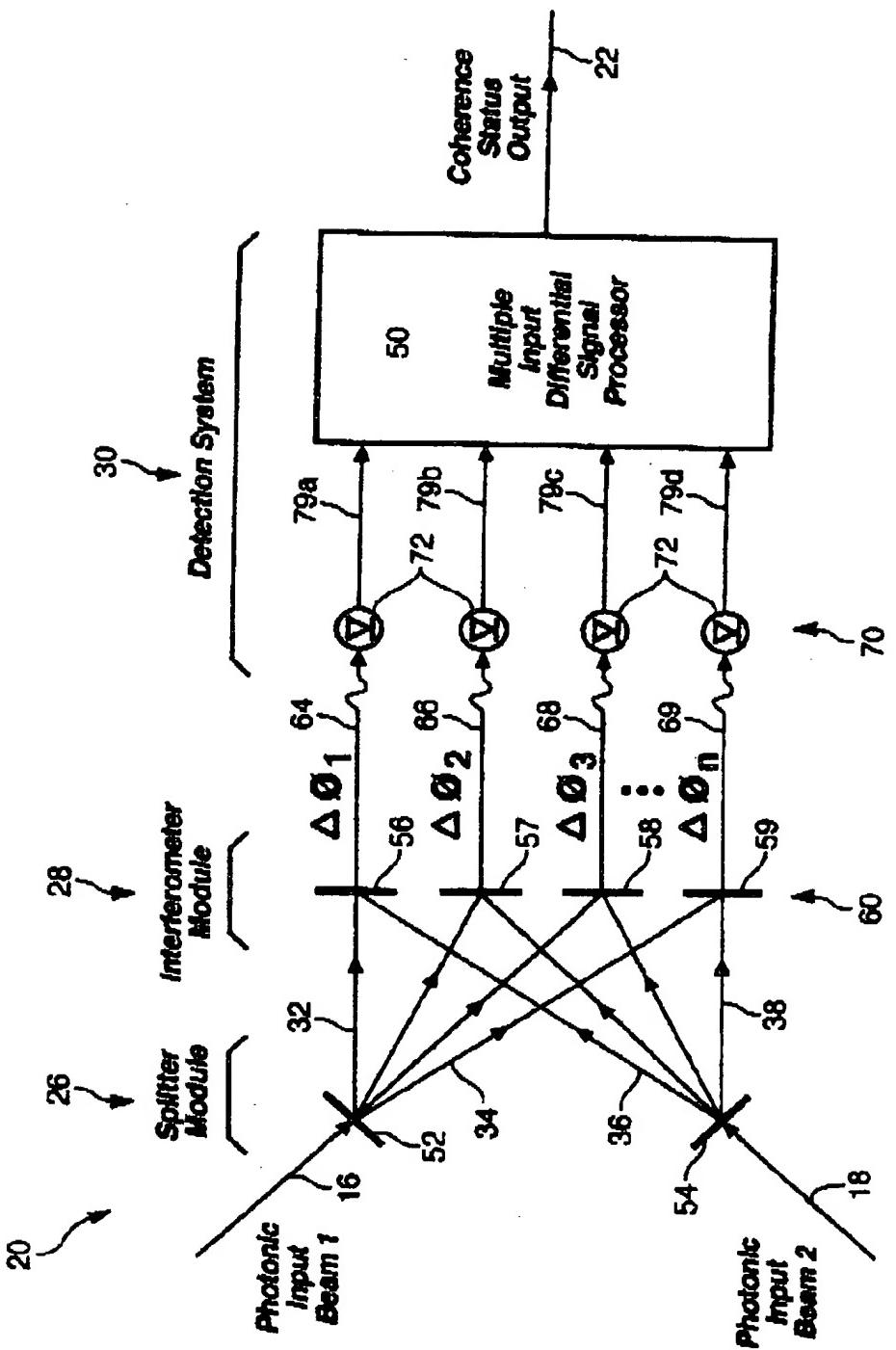
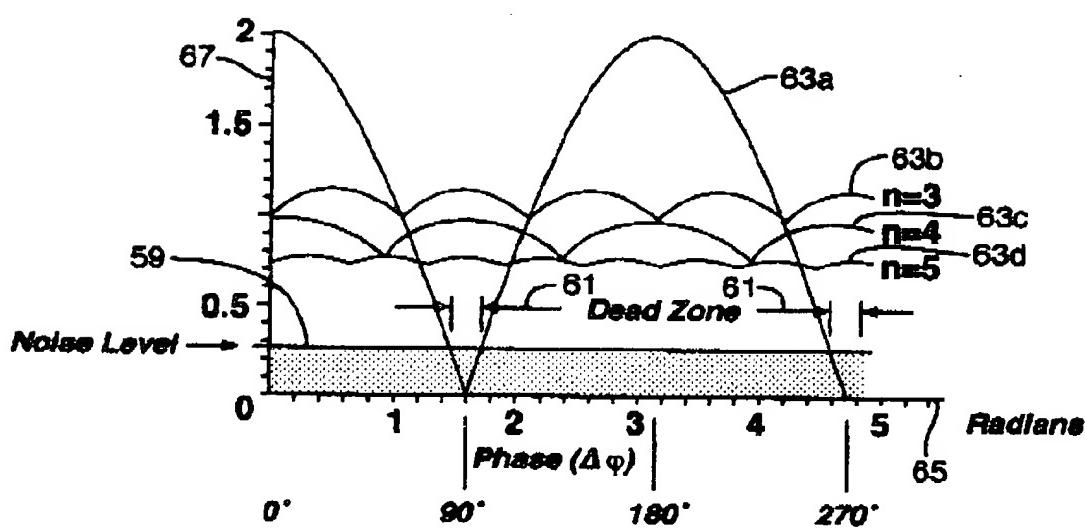


FIG. 7

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*Differential Output*



**FIG. 8**

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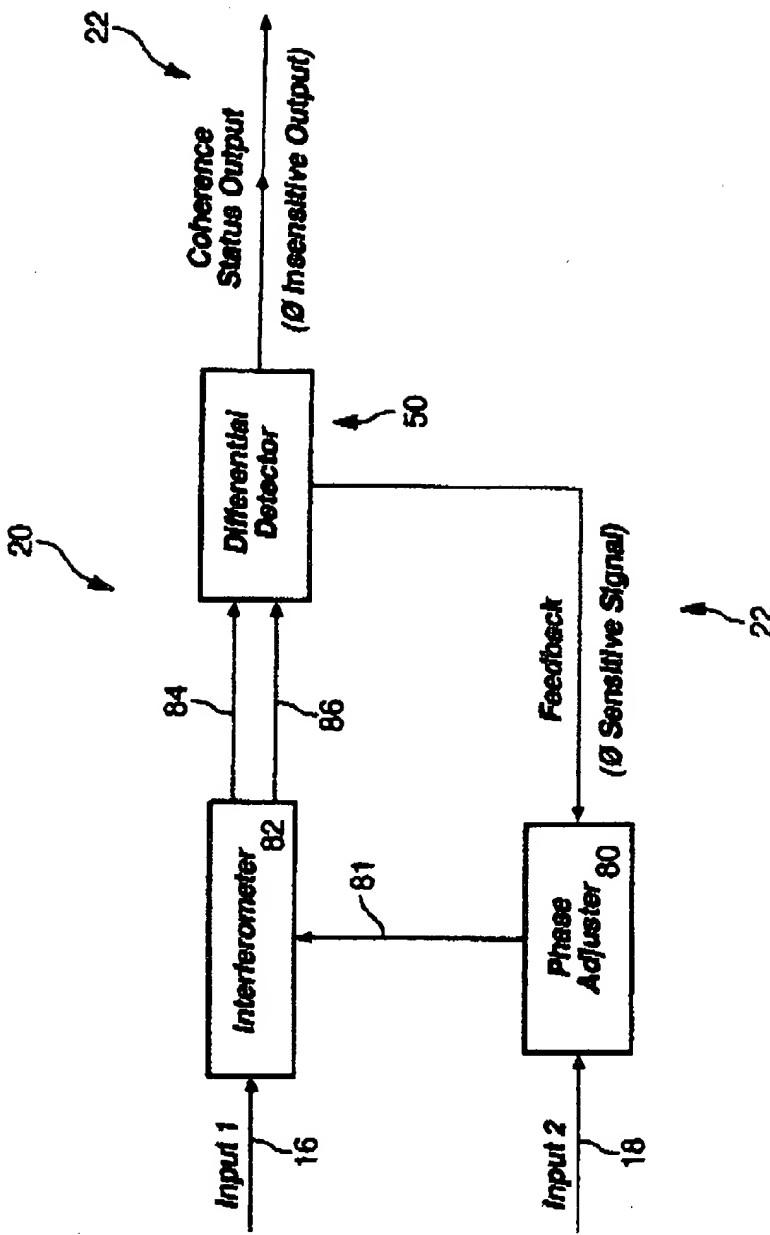


FIG. 9

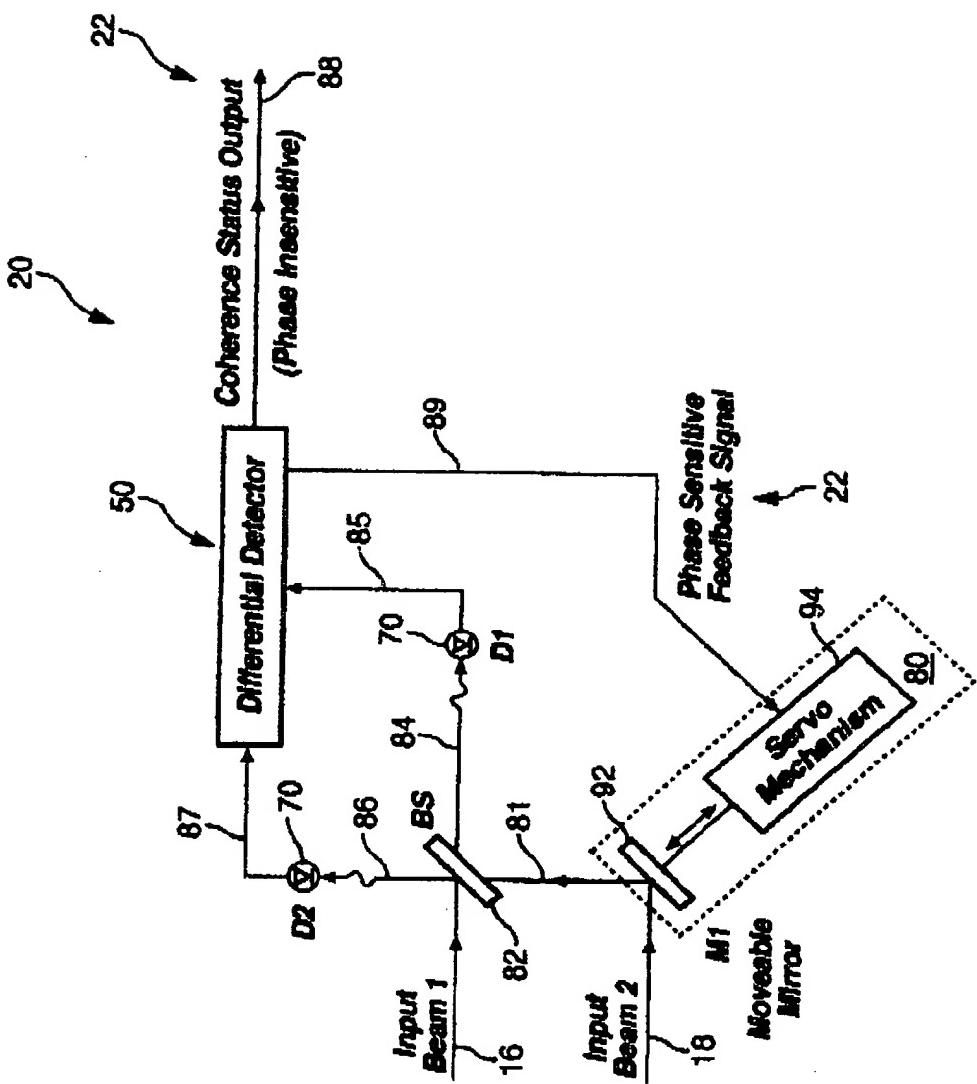


FIG. 10

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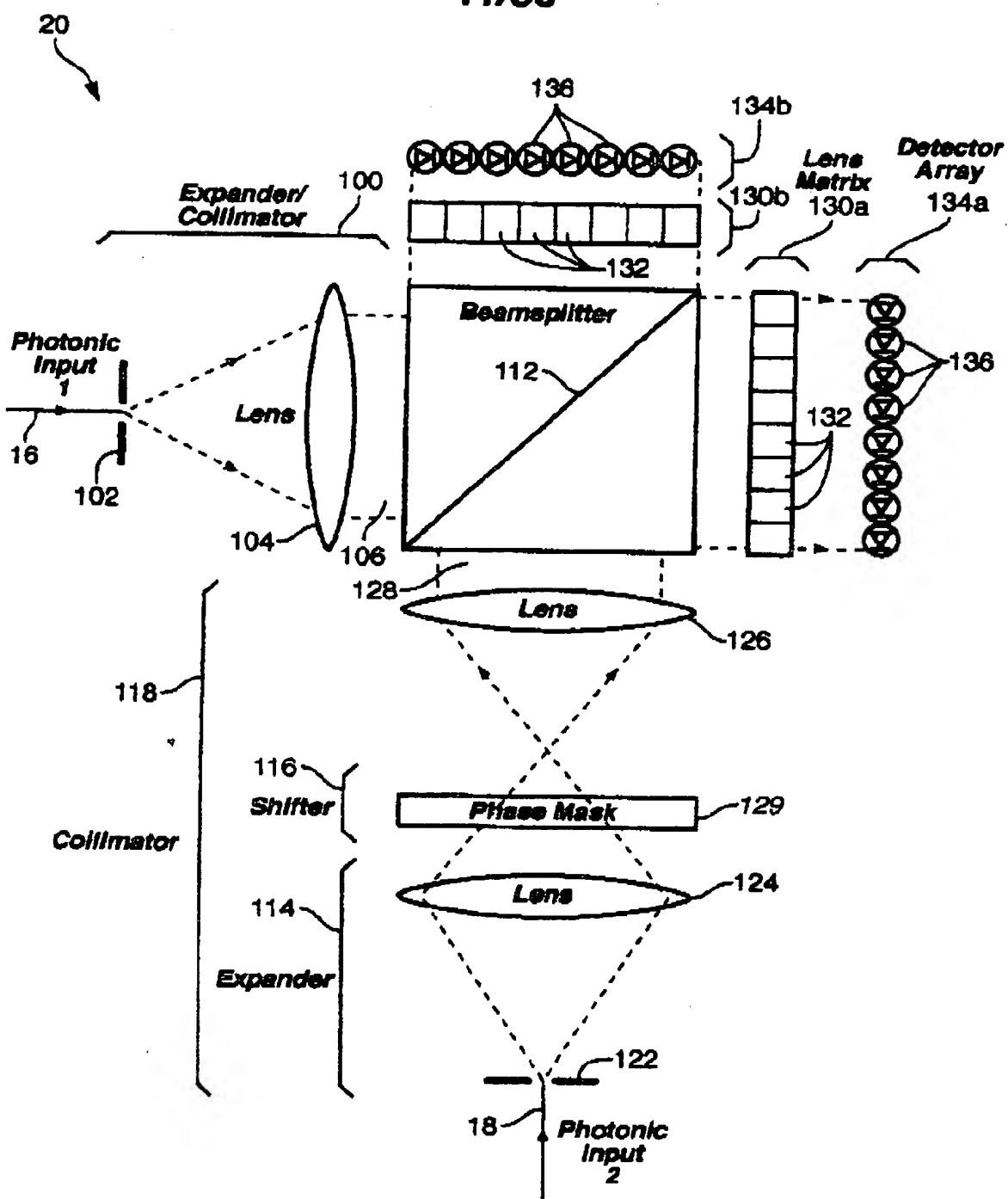


FIG. 11

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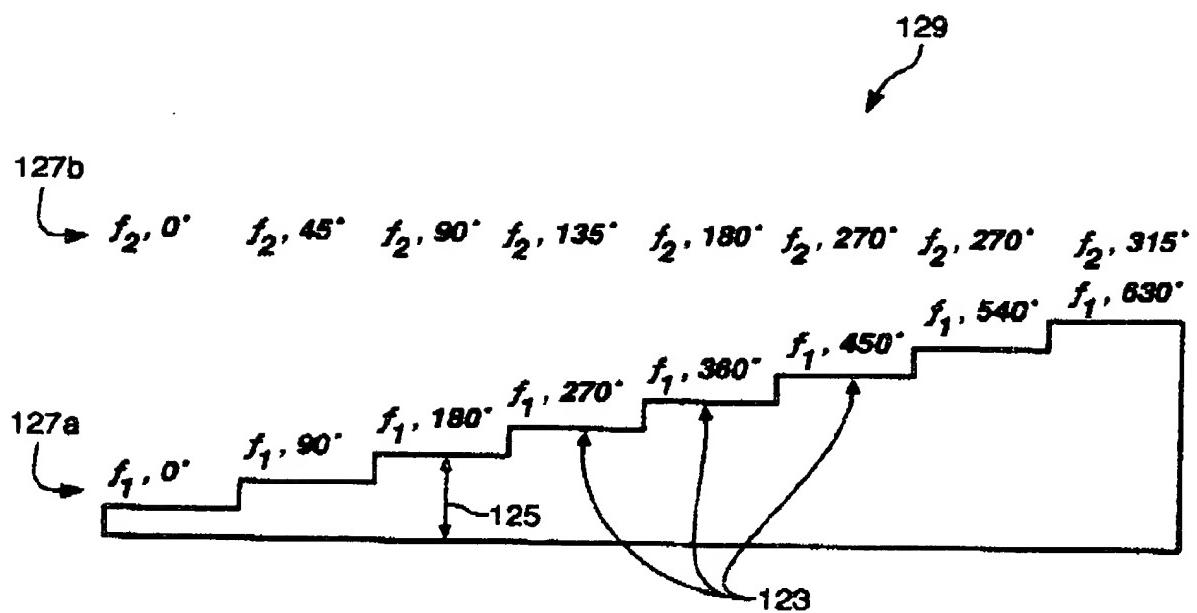


FIG. 12

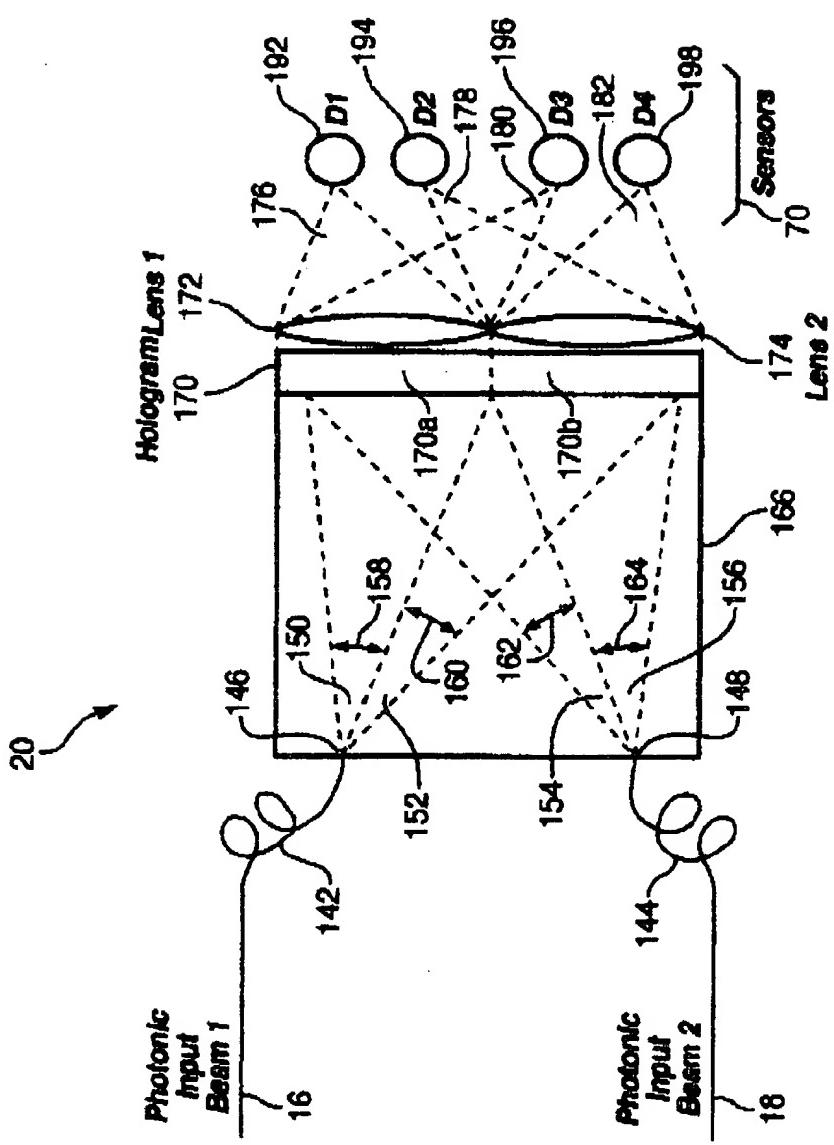


FIG. 13

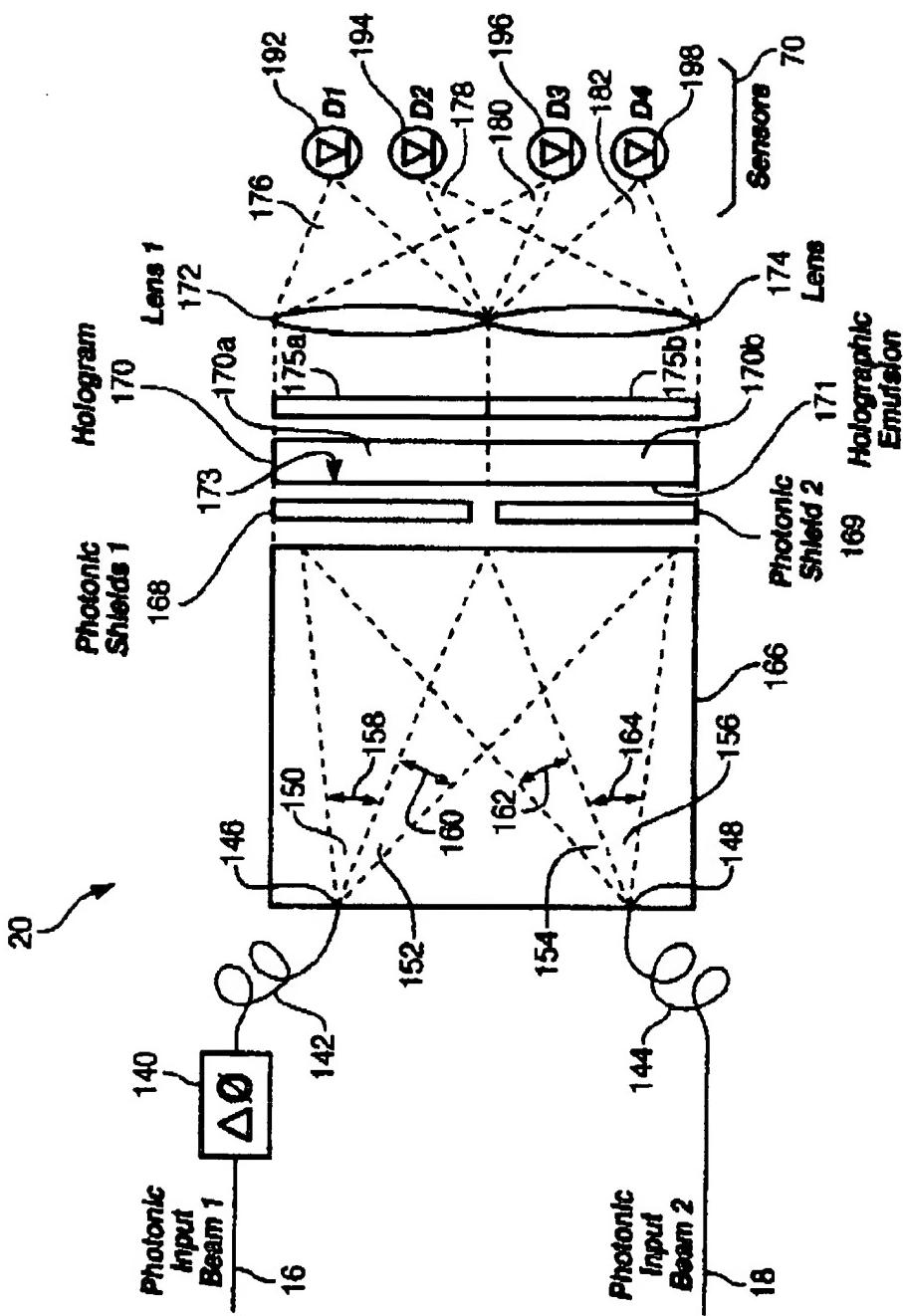


FIG. 14

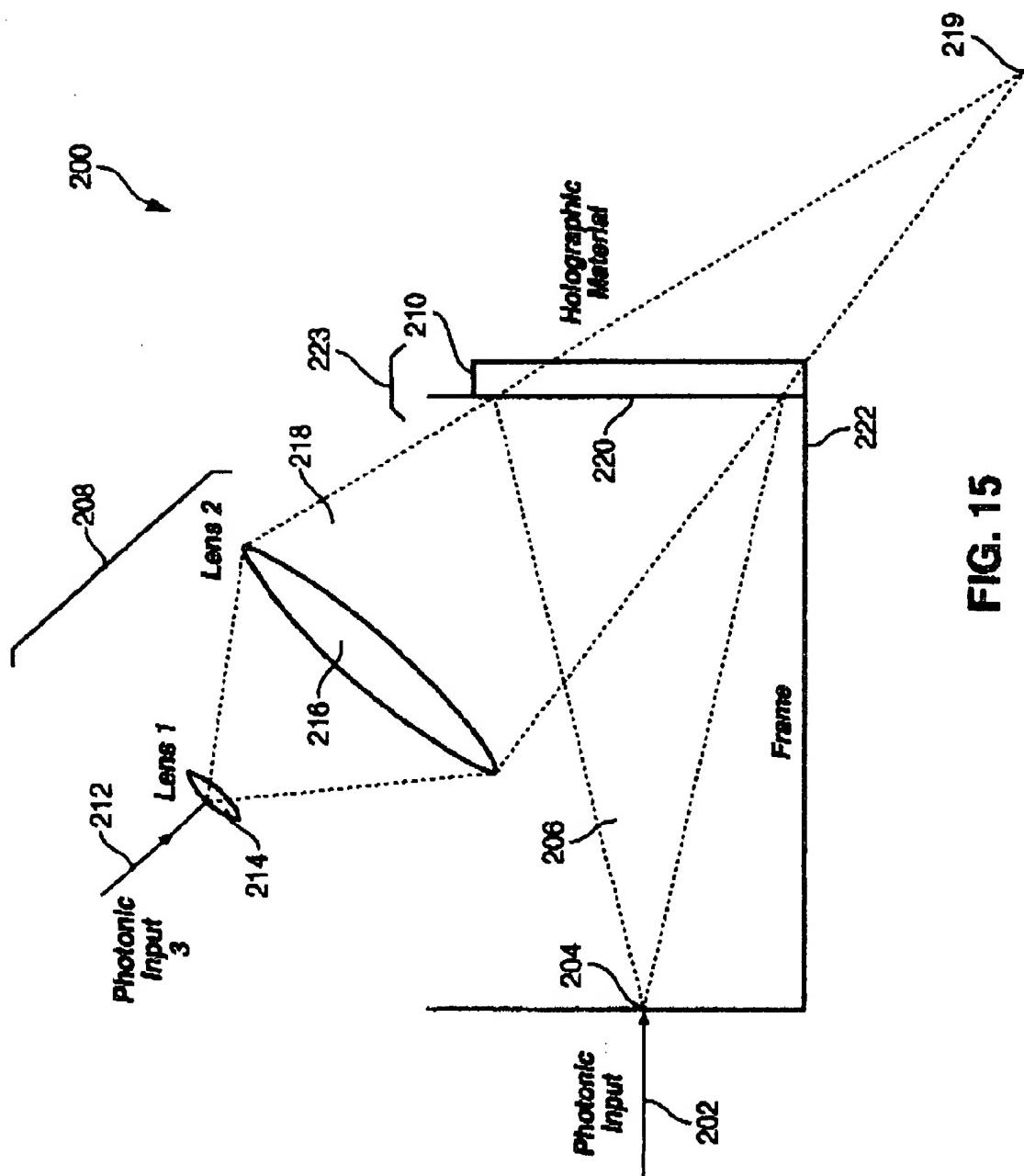


FIG. 15

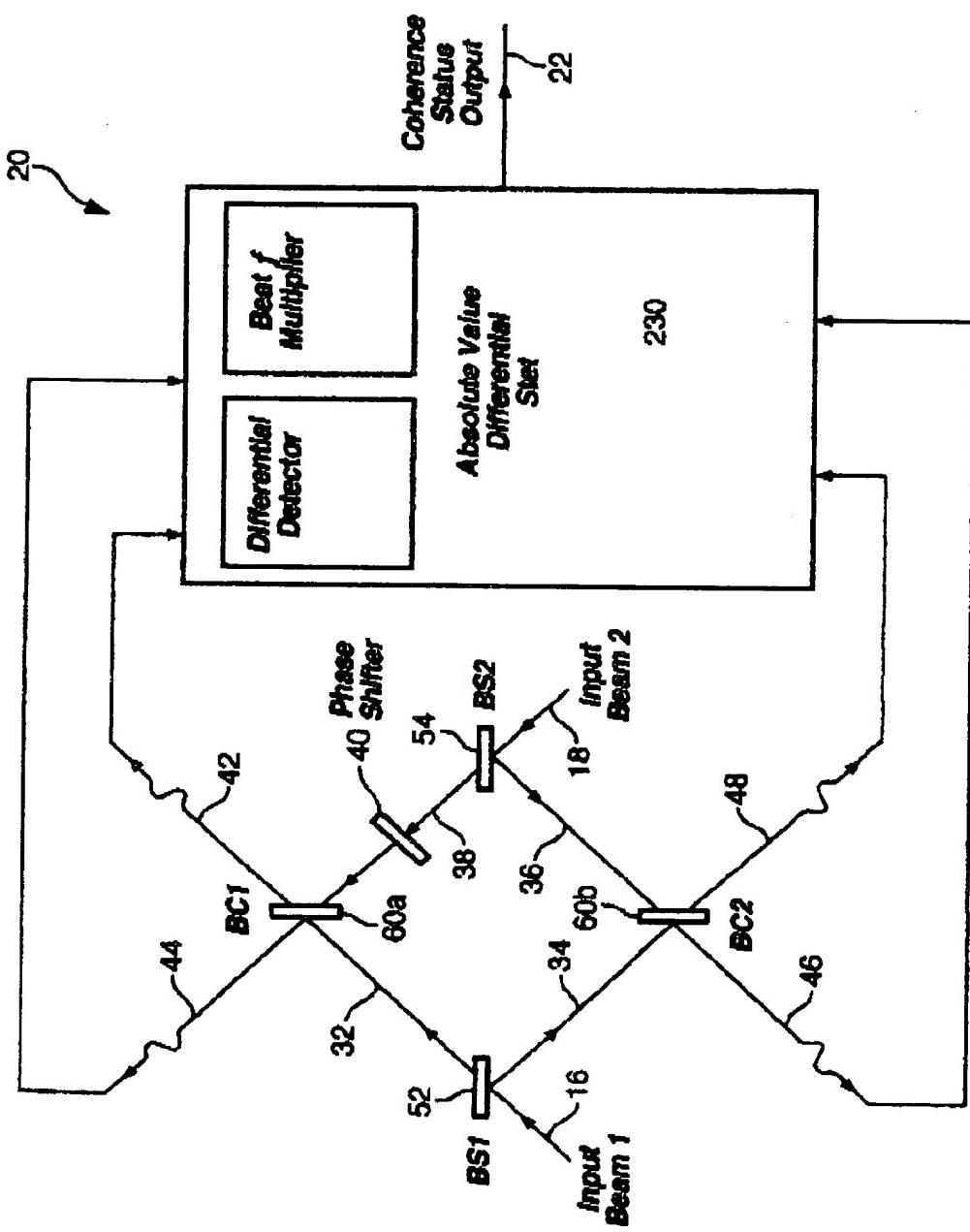
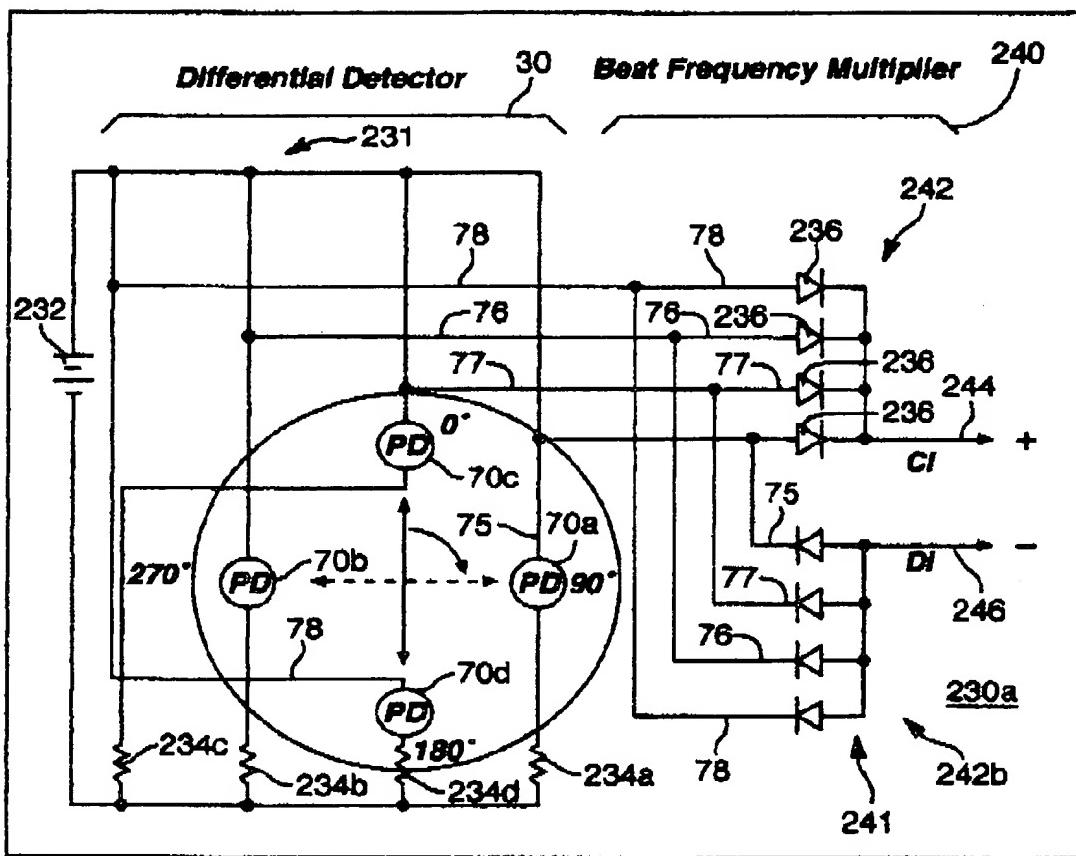


FIG. 16



**Absolute Value Differential Detector  
With Beat Frequency Multiplication**

**FIG. 17**

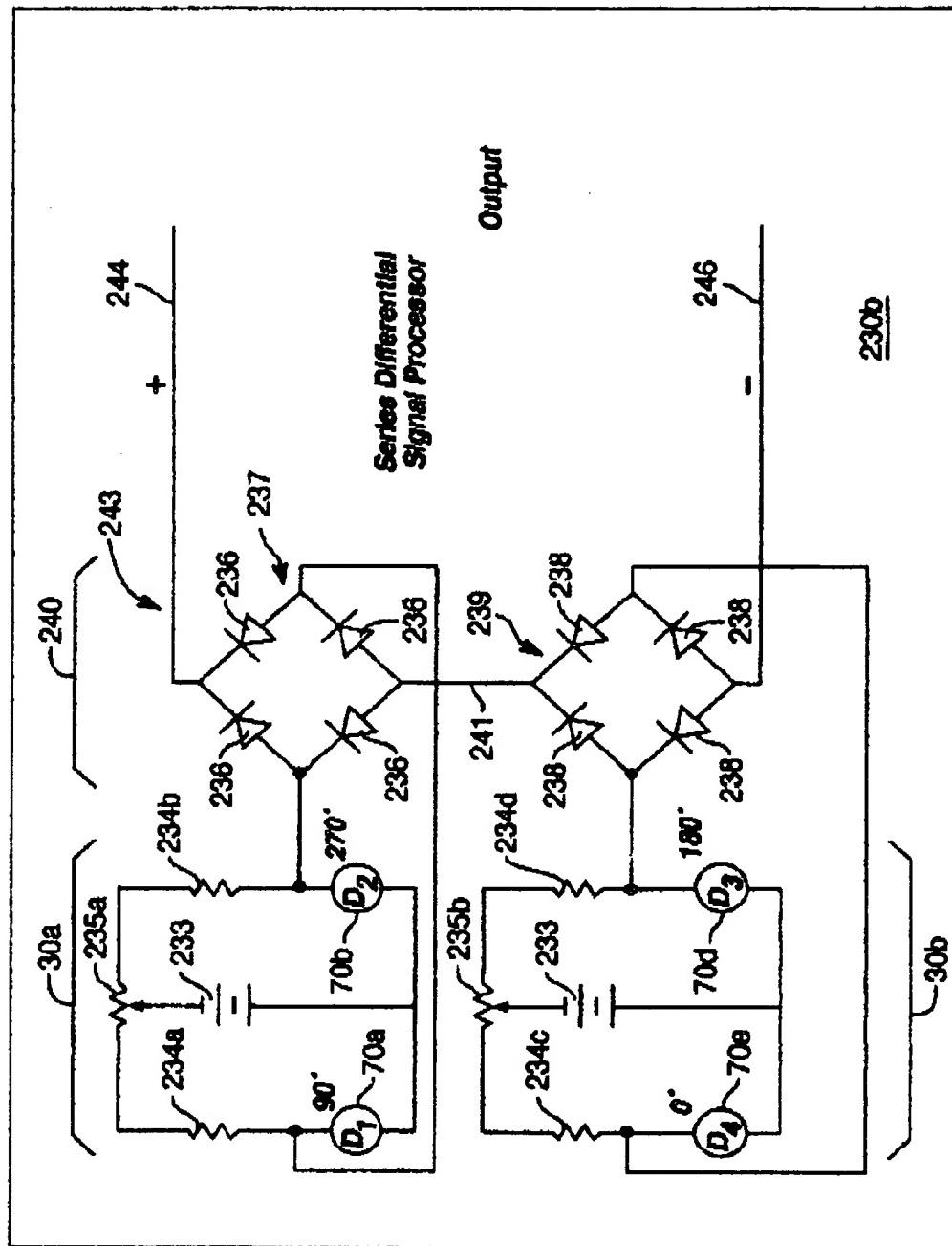


FIG. 18

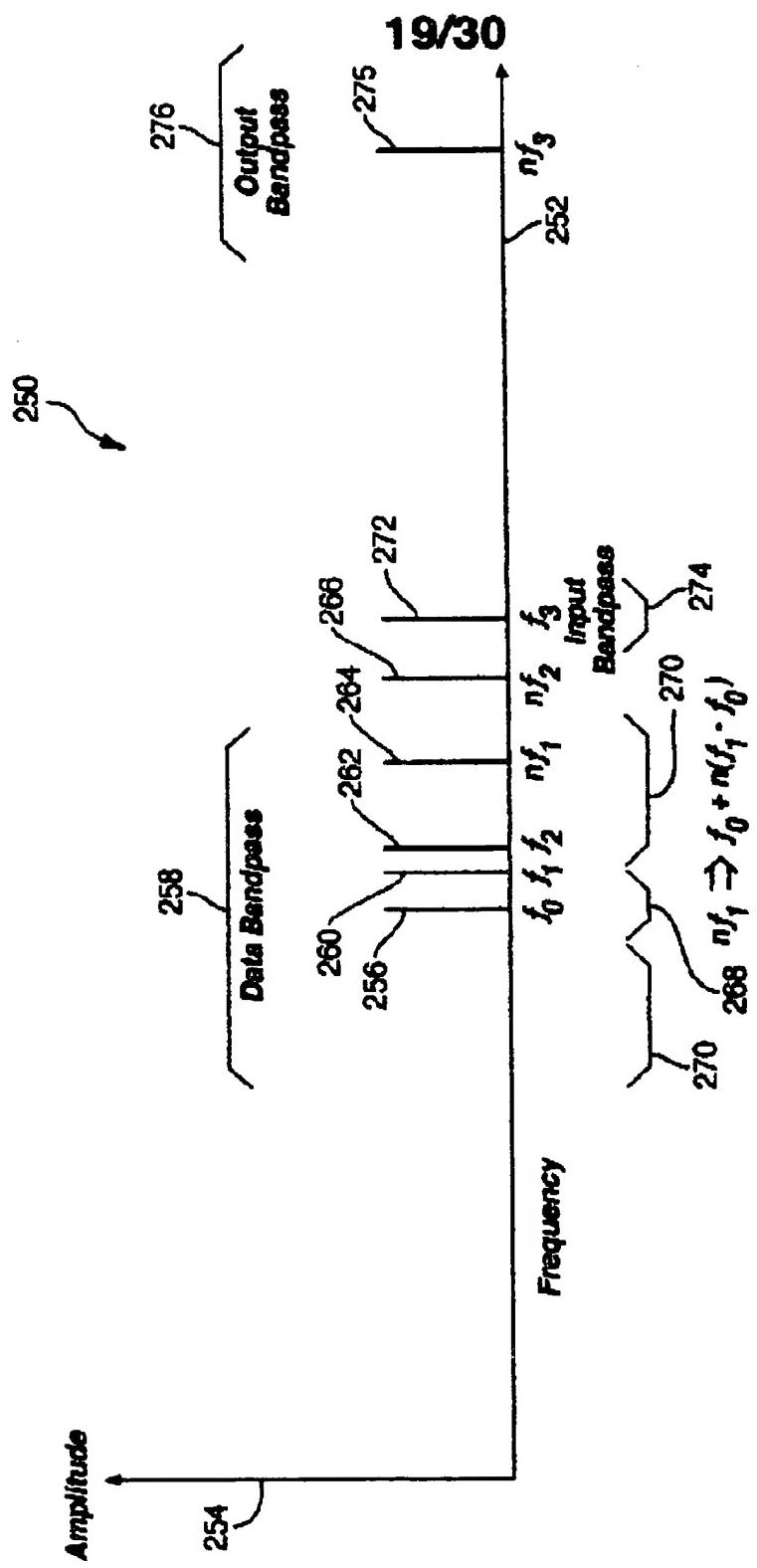
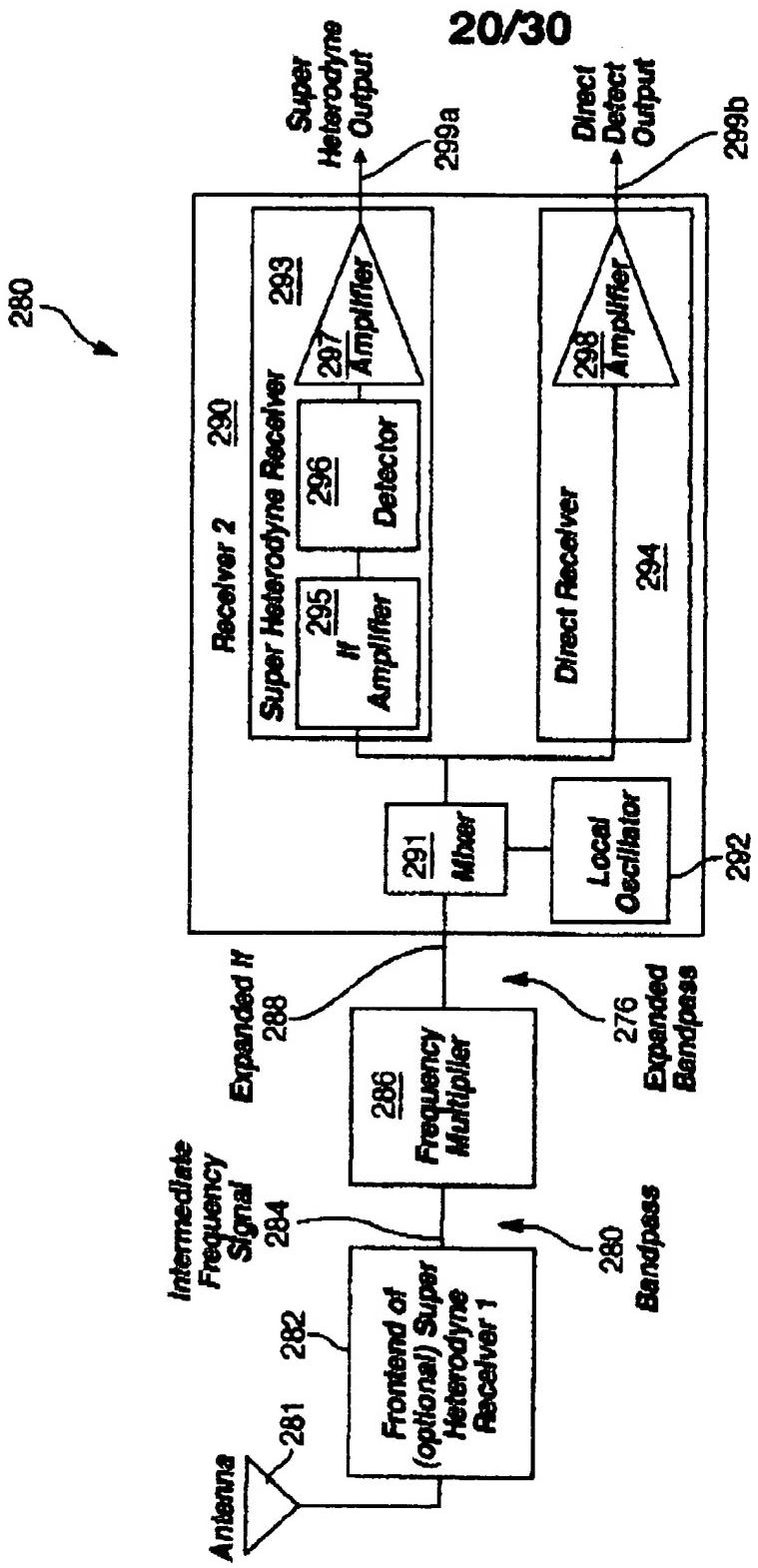


FIG. 19

**FIG. 20**



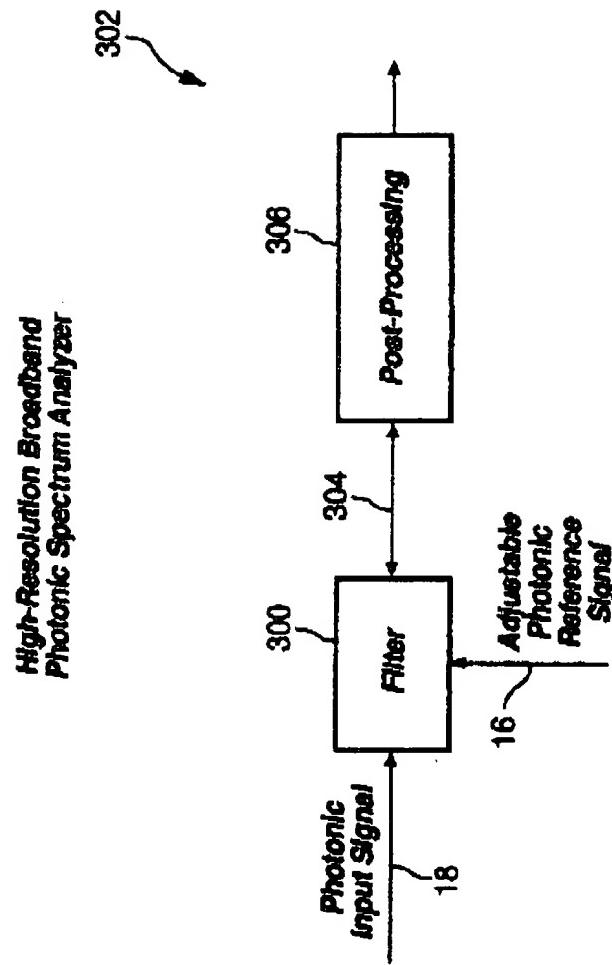


FIG. 21

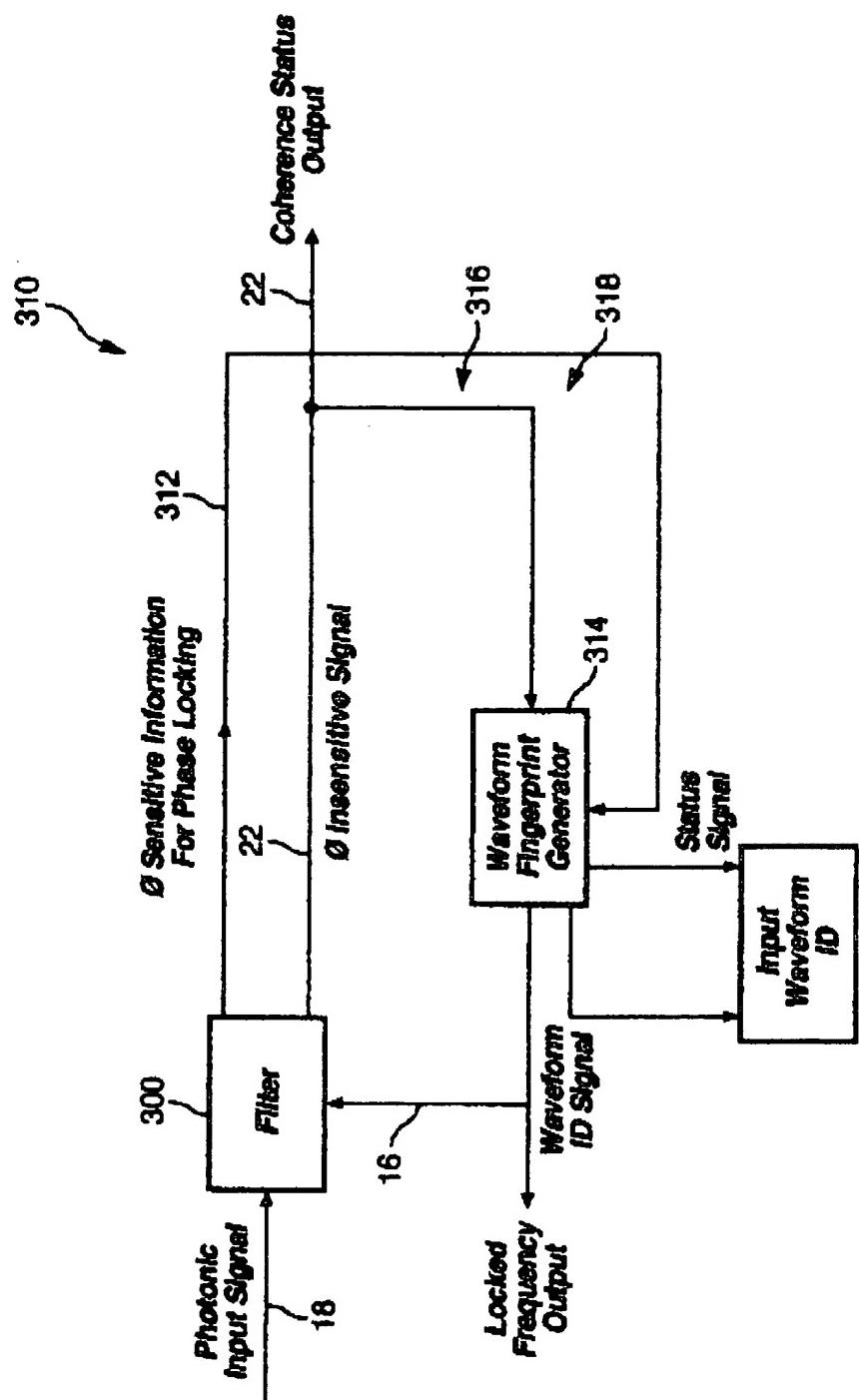


FIG. 22

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320 322 324 326 20 22 244

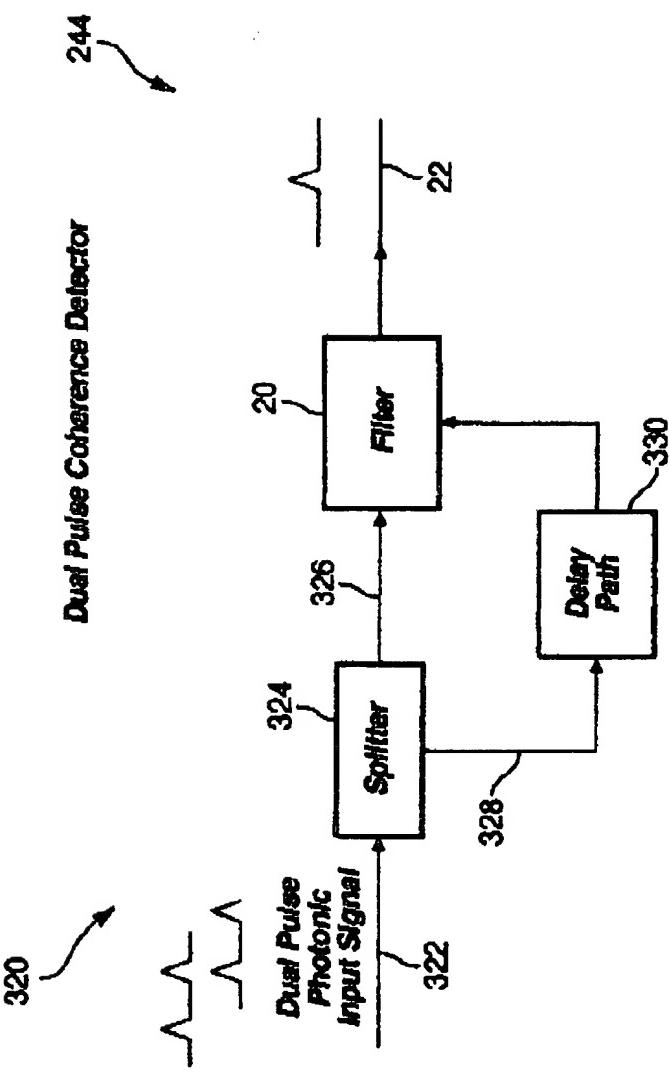


FIG. 23

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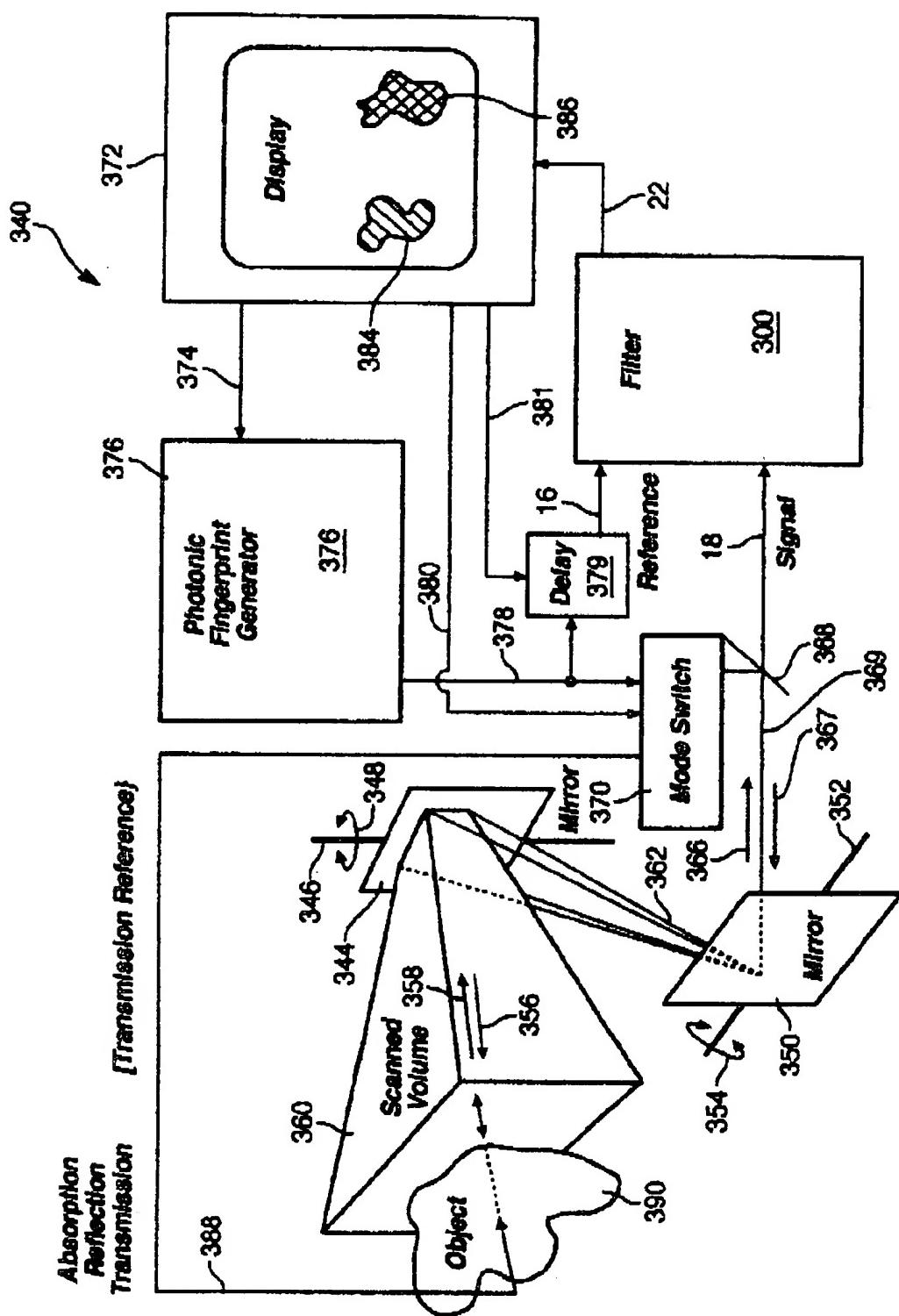
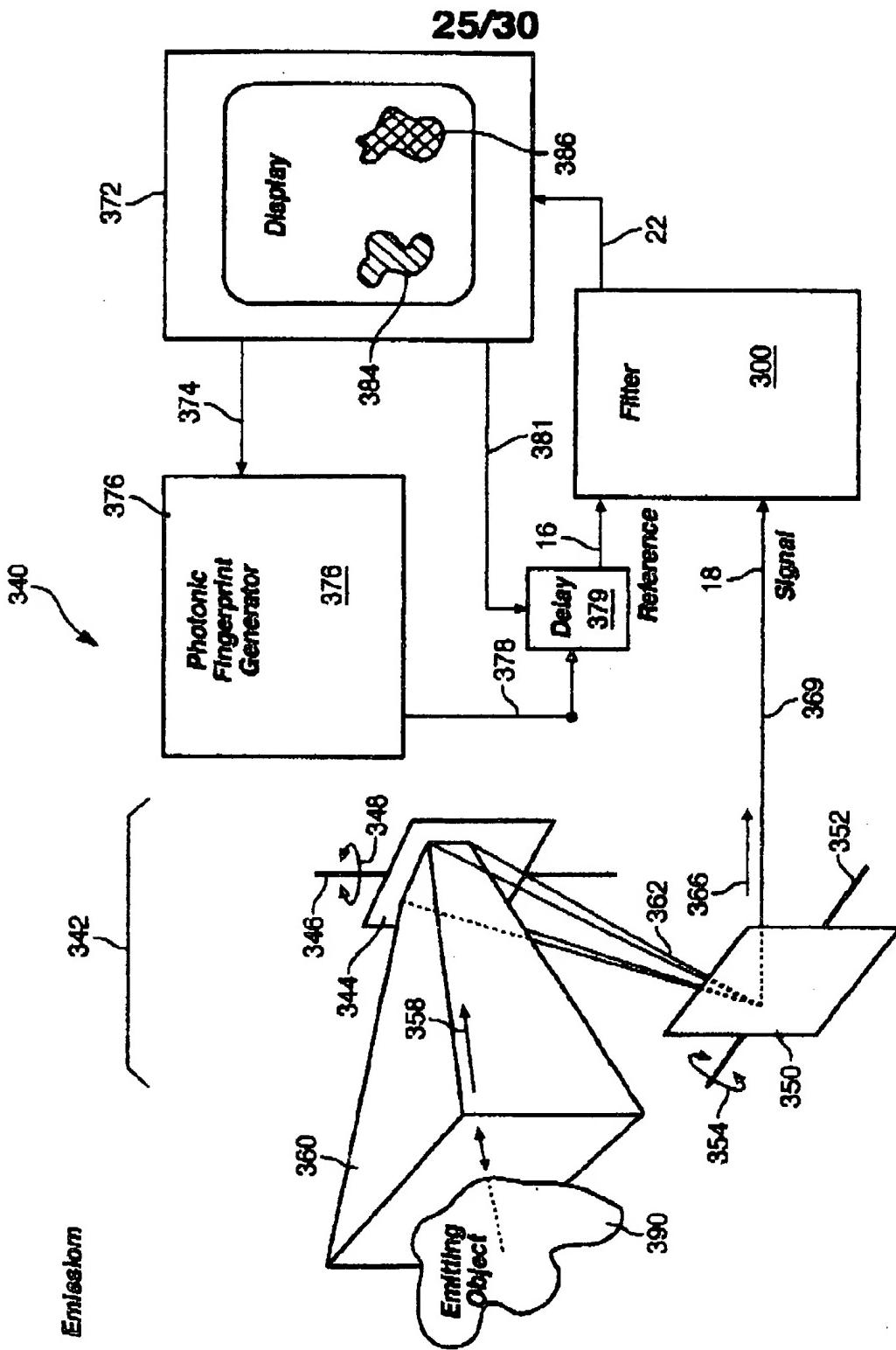


FIG. 24

**FIG. 25**

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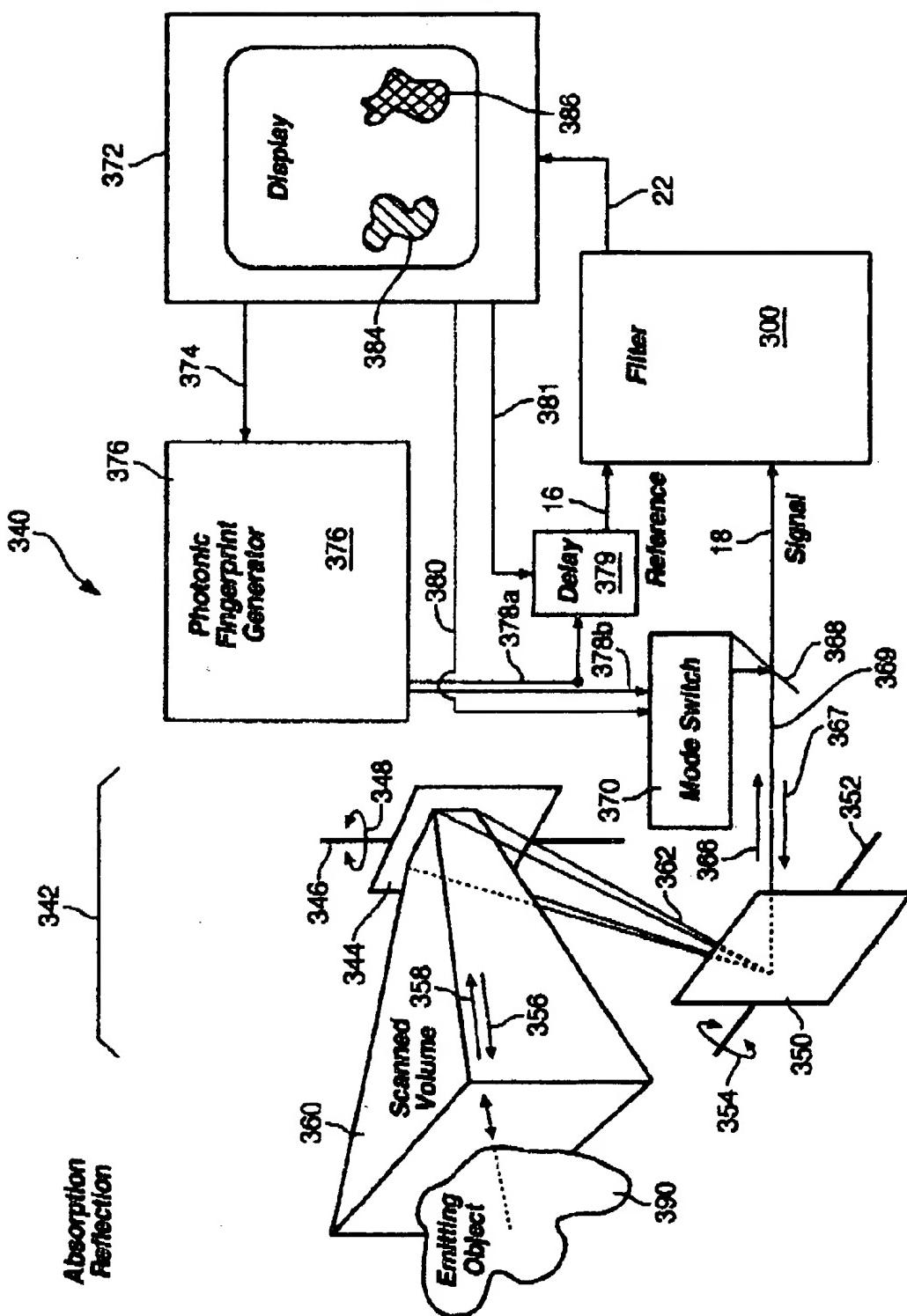


FIG. 26

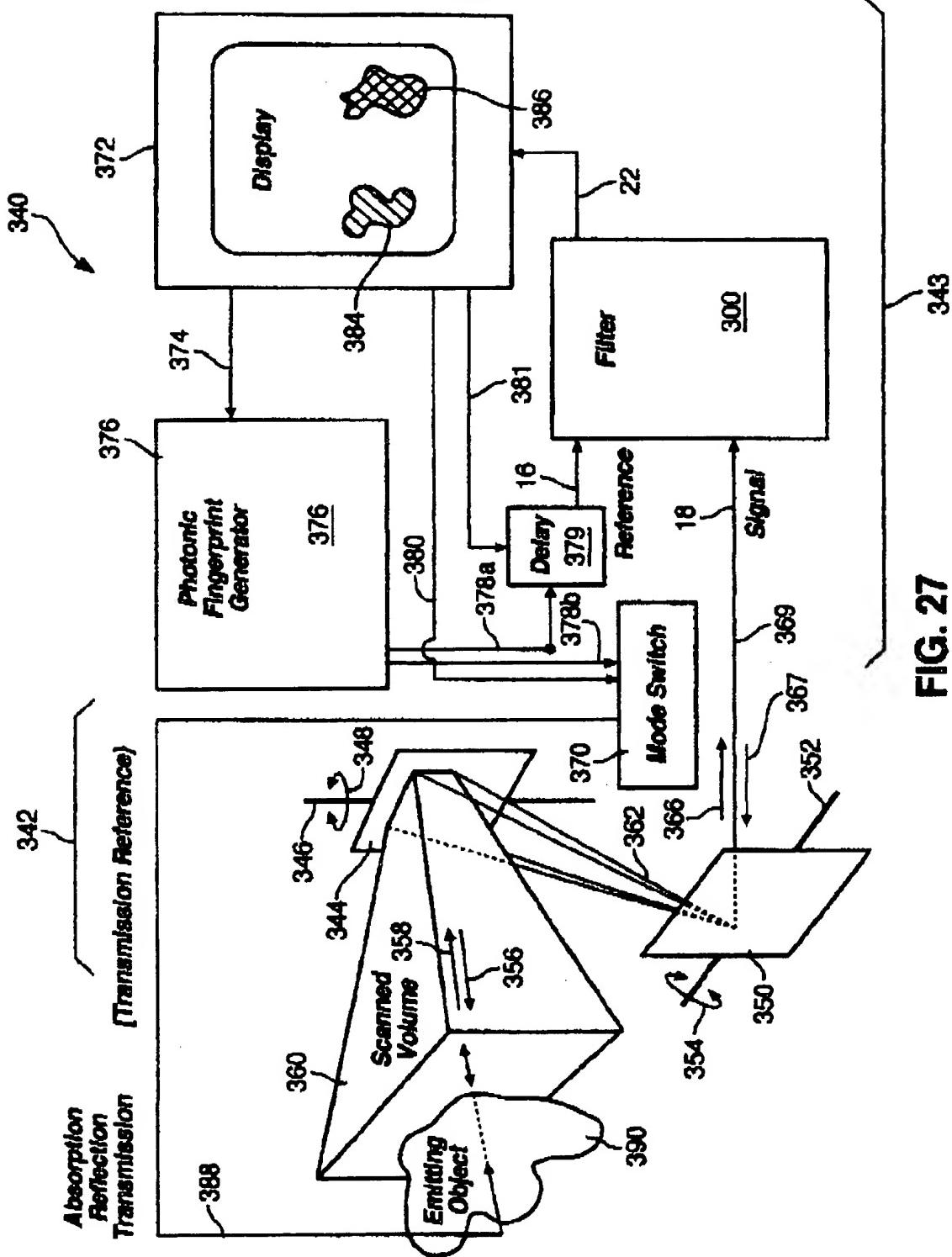


FIG. 27

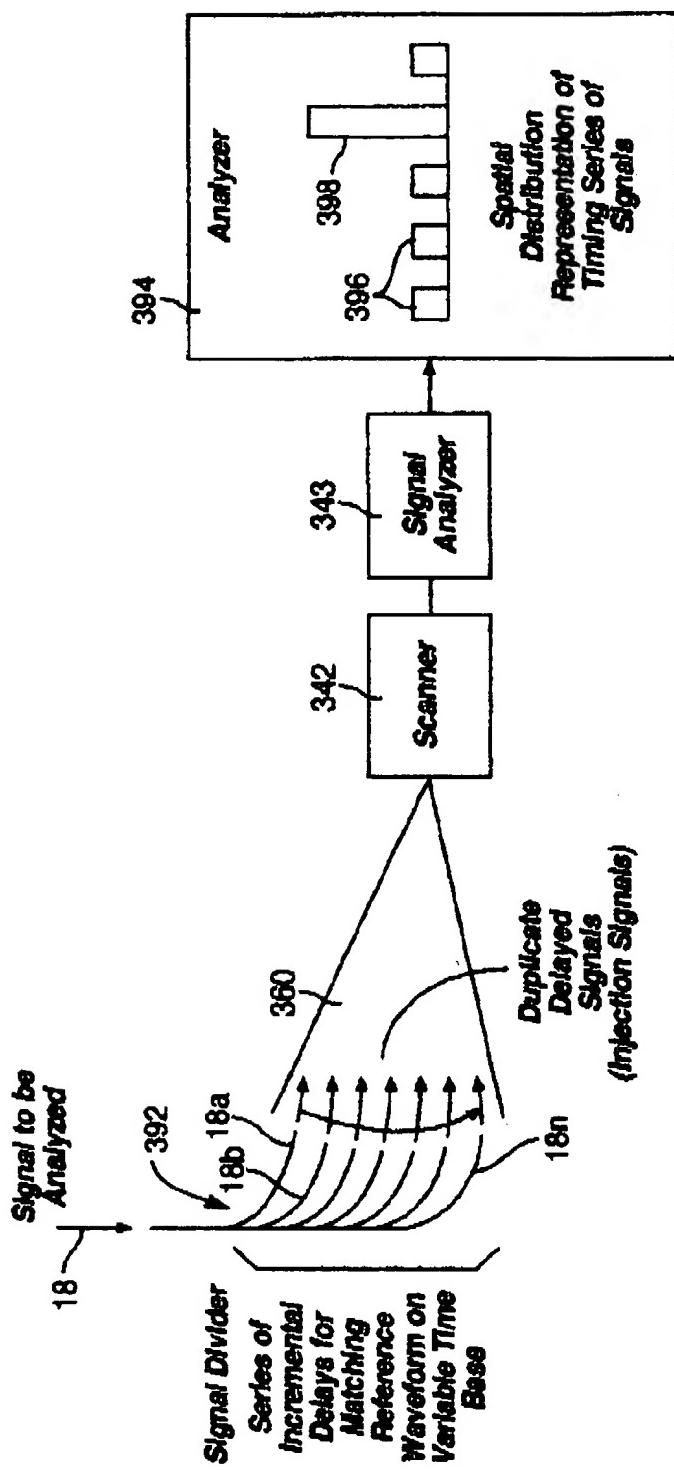


FIG. 28

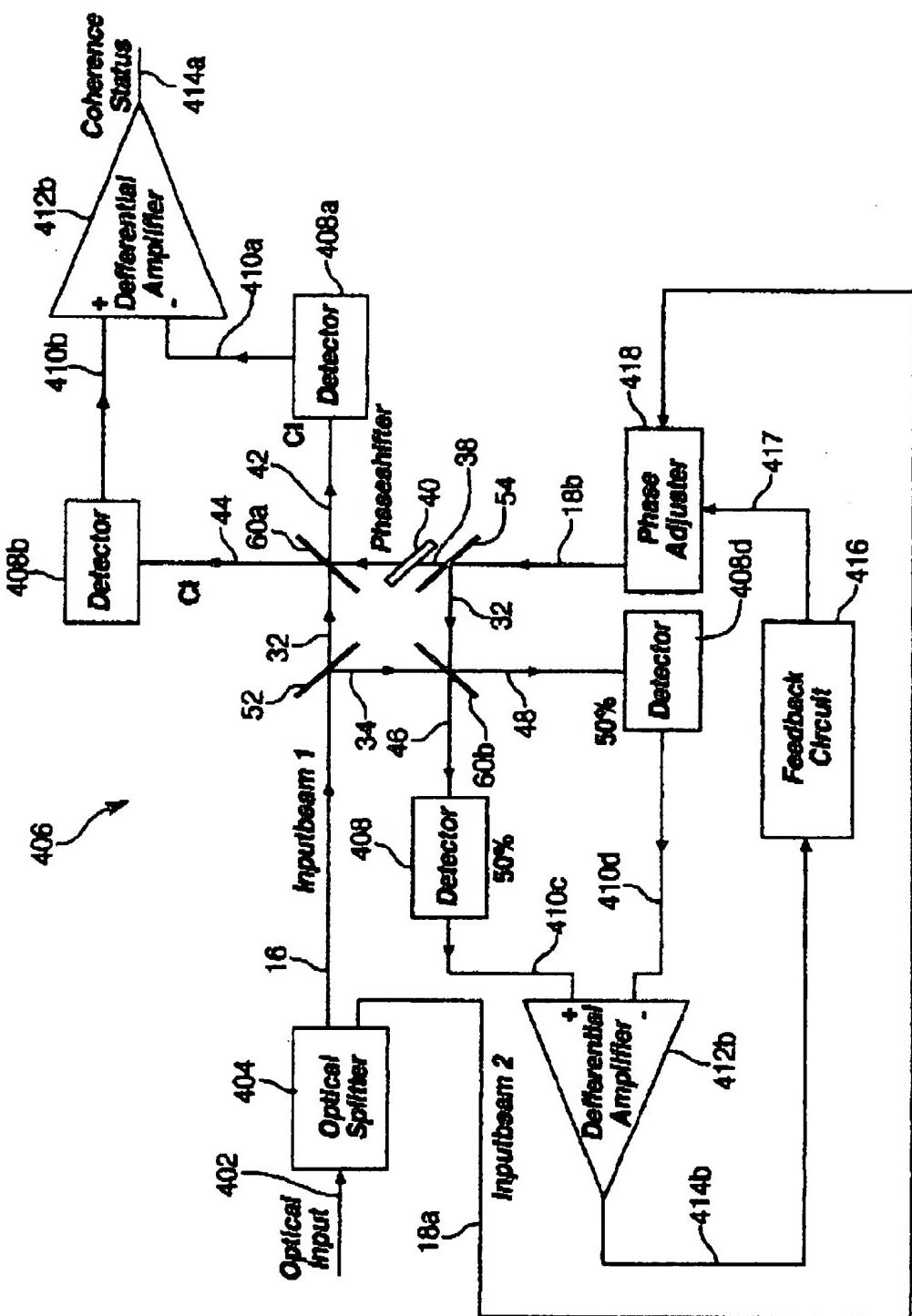


FIG. 29

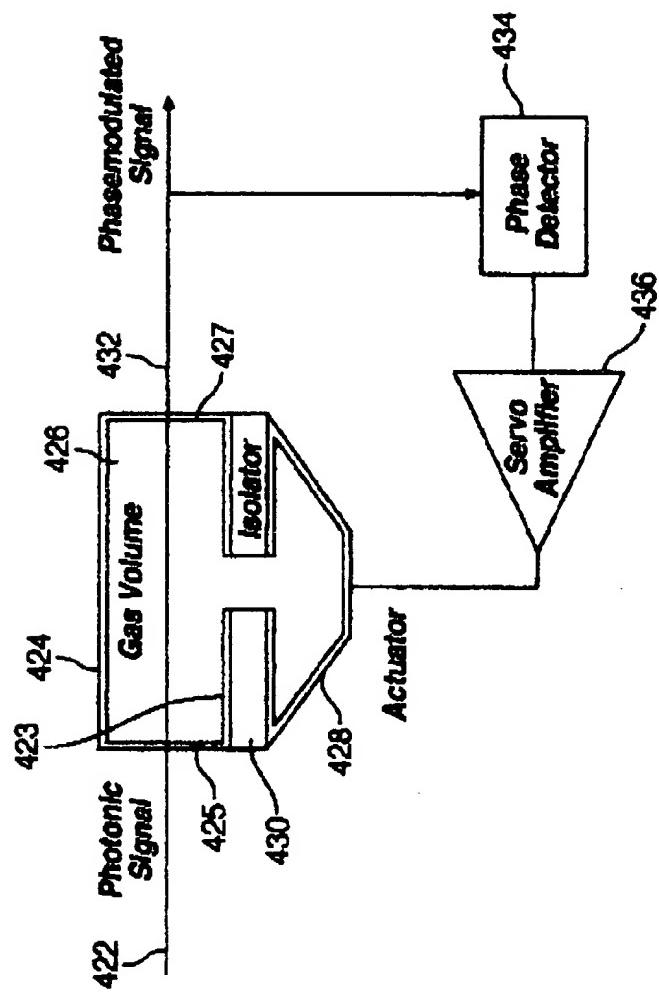


FIG. 30